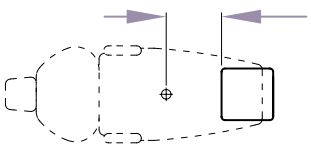
Knight®
by Midmark

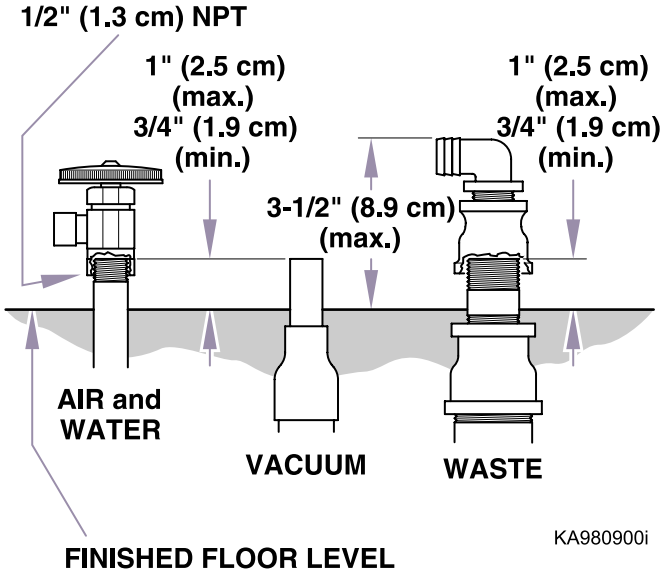
Installation Instructions

For Large or Small Connection Box (Model S21 or SW Units)

NOTES

- This plan may be placed on the floor in the desired location and then used as a template for punching center holes.
- The locations shown in this plan are suggestions and are not meant to be restrictive in any way. They may be altered to fit the situation or suit the doctor's preferences.
- If so equipped, the APC may be removed for J-box and umbilical installation.
- Midmark Corporation assumes no responsibility for failure due to improper installation.





CAUTIONS

- Water and air valves to be located as to be readily accessible for emergency shut-off. **DO NOT LOCATE VALVES UNDER APC UNIT if so equipped.**
- Be sure that connection box location **DOES NOT INTERFERE WITH CHAIR MOVEMENT.**
- Water pressure to be a minimum of 30 PSI (207 Kpa) but **NOT TO EXCEED 50 PSI (345 Kpa) MAXIMUM.**
- Air pressure to be 80 PSIG (552 Kpa) and **NOT TO EXCEED 100 PSIG (689 Kpa) MAXIMUM.**

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UTILITY SPECIFICATIONS

WATER	1/2" pipe terminating with a 1/2" NPT stub up 3/4" (1.9 cm) to 1" (2.5 cm) from the finished surface as near to the connection box as possible. Flush all debris from the lines before installation. Water pressure to be a minimum 30 psi (207 kPa) and not to exceed a maximum 50 psi (345 kPa).
AIR	1/2" pipe terminating with a 1/2" NPT stub up 3/4" (1.9 cm) to 1" (2.5 cm) from the finished surface as near to the connection box as possible. Flush all debris from the lines before installation. Air pressure to be minimum 80 PSIG (552 kPa) and not to exceed a maximum 100 PSIG (689 Kpa). For maximum life of unit, air supply must be clean and dry. It is recommended that a moisture separator and filter be installed as near to the connection box as possible and be accessible for periodic cleaning.
ELECTRICAL SUPPLY	Three (3) conductor #14 AWG cable on a 15 amp fused circuit to terminate inside a 4" (10.1 cm) x 4" (10.1 cm) jiffy box (not supplied) in location shown. *If installing 115 VAC receptacle:* A right angle power plug is supplied. *If installing a 230 VAC receptacle:* An appropriate style power plug rated for 250 VAC, 15 amps (not supplied) is required .
VACUUM	Terminate with 5/8" OD tube 3/4" (1.9 cm) to 1" (2.5 cm) above the finished floor. Install line according to vacuum system manufacturer's specifications.
AUXILIARY WIRING	Low voltage. "For class 2 circuits only". Install in compliance with all prevailing codes.
WASTE	Required for the Gravity Drain Cuspidor. Not less than 1 1/2" ID pipe from down pipe to trap decreasing to 3/4" pipe from trap to connection box. Terminate with 3/4" male pipe thread 3/4" (1.9 cm) to 1" (2.5 cm) above finish floor. Install trap in line and vent to conform with local codes.

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Midmark Corporation, 60 Vista Drive, P.O. Box 286, Versailles, Ohio 45380-0286
Phone: 1-937-526-3662 Fax: 1-877-249-1793 midmark.com

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